# RF POWER EDGE
## DIGITAL POWER METER DISPLAY

**NEW**

## 5000-NG
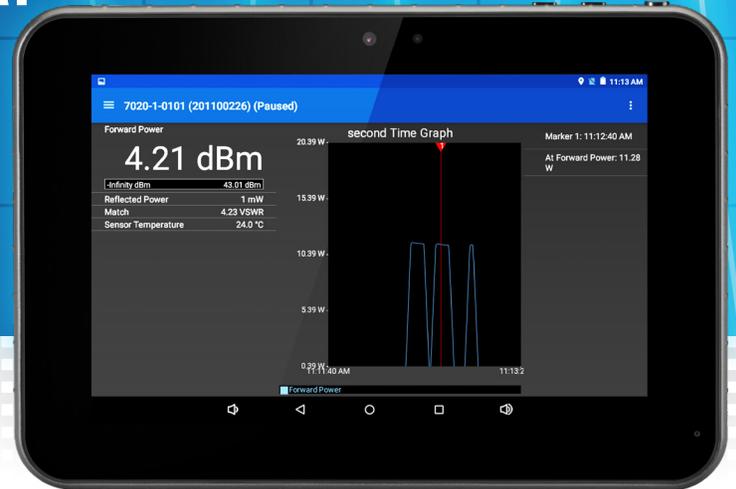


# RF Power Testing
## Redefined!

Bird's new 5000-NG RF Power Meter Display transforms the way you perform RF power meter testing. A giant leap forward, this hand-held portable meter captures, collects, and displays RF power measurements on a touch screen, high-resolution display, allowing you to review quickly and easily data in the field or in an R & D lab environment.

Operating over a broad frequency range using one of Bird's USB RF power sensors, the 5000-NG allows you to quickly measure True Average Power, VSWR, Return Loss, and more.

This fully digital power meter automatically detects the sensor in use and saves session information. Take RF power measurements, enable smoothing level for more stable readings, or max hold to detect the maximum power.

Bird's new portable lightweight tablet features a large, sunlight-readable color touch screen. This easy-to-use, intuitive interface saves time and ensures a fast learning curve for technicians.

> Next generation display for power measurement with automatic sensor detection.

### PRODUCT FEATURES

- Rugged, 8" color touch screen display for worry-free field use
- Automatic sensor detection that works with 12 supported Bird field sensors
- 48 hours of battery life for extended use
- 5.0 Megapixel camera to document equipment serial numbers and model number for warranty documentation and installation validation.
- Tried and true power measurement with simple set-up
- Data logging, numerical & graphics display
- Easy data transfer via USB or WiFi

### KEY MEASUREMENTS
**(When paired with a Bird Power Sensor)**

- True Average Power (Forward and Reflected)
- VSWR, Return Loss, rho, Match Efficiency
- Peak Power, Peak to Average Ratio, Crest Factor, PEP
- Burst and Burst Average Power
- CDF, CCDF, Confidence %
- IEEE 194 Pulse Parameters
- Sensor Temperature

**Bird**®

# RF POWER EDGE DIGITAL POWER METER DISPLAY
# 5000-NG                                    Specifications

## MEASUREMENT

| | |
|---|---|
| **Frequency Range** | 2 MHz to 6 GHz with external power sensors (not included) |
| **Key Measurements** | True Average Power (Forward and Reflected) VSWR, Return Loss, rho, Match Efficiency Peak Power, Peak to Average Ratio, PEP, Crest Factor, Burst and Burst Average Power, CDF, CCDF, Confidence %, IEEE 194 Pulse Parameters, Sensor Temperature |

## CONNECTORS

| | |
|---|---|
| **USB** | Micro USB PC interface & charging and Standard USB power sensor interface |

## COMPATIBLE SENSORS

| | |
|---|---|
| **5012D** | Wideband Power Sensor, 350 MHz to 4 GHz, 150 mW to 150 W, 400 W Peak |
| **5014** | Directional Power Sensor, 2 MHz to 2.7 GHz, 125 mW to 1 kW, Full scale |
| **5016D** | Wideband Power Sensor, 350 MHz to 4.0 GHz, 25 mW to 25 W, 60 W Peak |
| **5017D** | Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W, 1300 W Peak |
| **5017D-AV** | Wideband Power Sensor, 100 MHz to 1.3 MHz, 500 mW to 500 W, 1300 W Peak |
| **5018D** | Wideband Power Sensor, 150 MHz to 4.0 GHz, 100 mW to 25 W, 60 W Peak |
| **5019D** | Wideband Power Sensor, 25 MHz to 1.0 GHz, 100 mW to 100 W, 250 W Peak |
| **7020-1-010101** | Wideband Power Sensor, 350 MHz to 4.0 GHz, 150 mW to 150 W |
| **7020-1-020101** | Wideband Power Sensor, 350 MHz to 4.2 GHz, 150 mW to 150 W |
| **7020-1-030301** | Wideband Power Sensor, 25 MHz to 1.0 GHz, 500 mW to 500 W |
| **7022** | Statistical RF Power Sensor, 350 MHz to 6 GHz, 0.25 W to 500 W |
| **4042 Series** | Channel Power Sensor, 100 MHz to 1.0 GHz, 50 W |
| **4043 Series** | Directional Power Sensor 118 MHz to 940 MHz |
| **4044 Series** | Non-Directional Power Sensor, 144 MHz to 940 MHz, 125 W |

## POWER MONITORING SOLUTIONS

| | |
|---|---|
| **3141** | Radio System Monitoring |
| **ACMI** | Antenna & Cable Monitoring |
| **BPME** | Broadcast Power Monitoring |

## SYSTEM

| | |
|---|---|
| **Display** | Full-Color 8" 1280 x 800-pixel display w/backlight |
| **Operating System** | Android 5.1 |
| **Languages** | English |
| **Storage** | 16 GB |
| **Data Transfer** | USB drive, PC, WiFi, or Bluetooth |
| **Battery Type** | Rechargeable, 3.7 V/6200 mAh lithium battery |
| **Battery Life** (display in sleep mode) | 24 hrs. continuous usage w/5012 Series (except 7022) |
| **Battery Charge Time** | 6 hours typical |
| **Recommended Calibration Interval** | No calibration required (sensor calibration recommended) |
| **Power Supply** | AC: 100 to 240 V / 50-60 Hz; DC: 5V/2.5 A |
| **Upgradeability** | Firmware field-upgradable via USB port |
| **Additional Functions** | Data logging, numerical & graphing display |
| **Sensor Detection** | Automatic USB Sensors WiFi 802.11 Network scan for ACMI, BPME & CPM |

## ENVIRONMENTAL

| | |
|---|---|
| **Operating Temperature** | -20 °C to 60 °C (-4 °F to 140 °F) |
| **Storage Temperature** | -20 °C to 80 °C (-4 °F to 176 °F) |
| **Altitude** | Up to 15,000 ft (4,572 m) |

## PHYSICAL

| | |
|---|---|
| **Size** | 9.2 in x 6.3 in x 1.1 in (233 mm x 160 mm x 28 mm) |
| **Weight** | 1.3 lb (0.59 kg) |

## STANDARD ACCESSORIES

| | |
|---|---|
| **5A2653-3R5NL4** | Cable, USB SeaLatch Cable, 72 in |
| **5A2653-6L** | Cable, USB 72 in |
| **5B5000-1** | Premium Carrying Case |
| **5B5002-1** | Charger, International, 5 V, 2.5 A P |
| **5B5002-2** | Charger, US, 5 V, 2.5 A |
| **SK-TP-112** | Stylus |
| **920-5000-NG** | Instruction Manual |

## OPTIONAL ACCESSORIES

| | |
|---|---|
| **TV-RCV2** | Boot, Protective Rubber |
| **TV-SP-GCV1** | Screen Protector, Impact-Resistant |

## birdrf.com/products

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